

7/8/03

Sheet 1 of 3

Form PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION <i>(Use several sheets if necessary)</i>				Docket Number (Optional) 104914-159	Application Number Not Yet Assigned	
				Applicant, Jeffrey M. Leiden	10/615,518	
				Filing Date 7/8/2003	Group Art Unit 1632 Not Yet Assigned	
U. S. Patent Documents						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AMF	5,962,313	10/5/99	Podsakoff <i>et al.</i>			
	5,858,351	1/12/99	Podsakoff <i>et al.</i>			
	5,846,528	12/8/98	Podsakoff <i>et al.</i>			
↓	5,693,622	12/2/97	Wolff <i>et al.</i>			
AMF	5,580,859	12/3/96	Felgner <i>et al.</i>			
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation YES NO
AMF	WO 95/13376	5/18/95	WO			
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)						
AMF	Barr <i>et al.</i> (1995) Gene Ther. 2:151-155, "Strain related variations in adenovirally mediated transgene expression from mouse hepatocytes <i>in vivo</i> : comparisons between immunocompetent and immunodeficient inbred strains".					
	Barr <i>et al.</i> (1994) Gene Ther. 1:51-58, "Efficient catheter-mediated gene transfer into the heart using replication-defective adenovirus".					
	Barr and Leiden (1991) Science 254:1507-1509, "Systemic Delivery of Recombinant Proteins by Genetically Modified Myoblasts".					
	Brody <i>et al.</i> (1994) Human Gene Ther. 5:821-836, "Acute Responses of Non-Human Primates to Airway Delivery of an Adenovirus Vector Containing the Human Cystic Fibrosis Transmembrane Conductance Regulator cDNA".					
	Dai <i>et al.</i> (1995) PNAS USA 92:1401-5, "Cellular and humoral immune responses to adenoviral vectors containing factor IX gene: Tolerization of factor IX and vector antigens allows for long-term expression".					
	Dai <i>et al.</i> (1992) PNAS USA 89:10892-5, "Gene therapy via primary myoblasts: Long-term expression of factor IX protein following transplantation <i>in vivo</i> ".					
↓	Dhawan <i>et al.</i> (1991) Science 254:1509-1512, "Systemic Delivery of Human Growth Hormone by Injection of Genetically Engineered Myoblasts".					
AMF	Engelhardt <i>et al.</i> (1994) Hum. Gene Ther. 5:1217-29, "Prolonged Transgene Expression in Cotton Rat Lung with Recombinant Adenoviruses Defective in E2a"					
	EXAMINER /Anne Marie Falk/	DATE CONSIDERED 02/04/2007				
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AMF	Friedmann, T. (1997) Sci. Am. 96-101, "Overcoming the obstacles to gene therapy". Hamamori <i>et al.</i> (1995) J. Clin. Invest. 95:1808-1813, "Myoblast Transfer of Human Erythropoietin Gene in a Mouse Model of Renal Failure". Hamamori <i>et al.</i> (1994) Hum. Gene Ther. 5:1349-1356, "Persistent Erythropoiesis by Myoblast transfer of Erythropoietin cDNA". Kass <i>et al.</i> (1994) Gene Ther. 1:395-402, "The impact of developmental stage, route of administration and the immune system on adenovirus-mediated gene transfer". Kay <i>et al.</i> (1994) PNAS USA 91:2353-7, "In vivo hepatic gene therapy: Complete albeit transient correction of factor IX deficiency in hemophilia B dogs". Lemarchand <i>et al.</i> (1992) PNAS USA 89:6482-6, "Adenovirus-mediated transfer of a recombinant human α 1-antitrypsin cDNA to human endothelial cells". Manthorpe <i>et al.</i> (1993) Hum. Gene Ther. 4:419-31, "Gene Therapy by Intramuscular Injection of Plasmid DNA: Studies on Firefly Luciferase Gene Expression in Mice". Mastrangeli <i>et al.</i> (1996) Hum. Gene Ther. 7:79-87, "'Sero-Switch' Adenovirus-Mediated In Vivo Gene Transfer: Circumvention of Anti-Adenovirus Humoral Immune Defenses Against Repeat Adenovirus Vector Administration by Changing the Adenovirus Serotype". Mendell <i>et al.</i> (1995) N. Engl. J. Med. 333:832-8, "Myoblast Transfer in the Treatment of Duchenne's Muscular Dystrophy". Morgan, J.E. (1994) Hum. Gene Ther. 5:165-73, "Cell and Gene Therapy in Duchenne Muscular Dystrophy". Orkin and Motulsky (1995) "Report and recommendations of the panel to assess the NIH investment in research on gene therapy". Osborne <i>et al.</i> (1995) Proc. Natl. Acad. Sci. USA 92:8055-8058, "Gene therapy for long-term expression in erythropoietin in rats". Partridge <i>et al.</i> (1989) Nature 337:176-179, "Conversion of mdx myofibres from dystrophin-negative to -positive by injection of normal myoblasts". Raz <i>et al.</i> (1993) Proc. Natl. Acad. Sci. USA 90:4523-4527, "Systemic immunological effects of cytokine genes injected into skeletal muscle". V Rosenfeld <i>et al.</i> (1991) Science 252:431-434, "Adenovirus-Mediated Transfer of a Recombinant α 1-Antitrypsin Gene to the Lung Epithelium in Vivo". AMF Setoguchi <i>et al.</i> (1994) Blood 84:2946, "Stimulation of Erythropoiesis by In Vivo Gene Therapy: Physiologic Consequences of Transfer of the Human Erythropoietin Gene to Experimental Animals Using an Adenovirus Vector". EXAMINER /Anne Marie Falk/ DATE CONSIDERED 02/04/2007		
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AMF	Tripathy <i>et al.</i> (1996) Nature Med. 2:545-550, "Immune responses to transgene-encoded proteins limit the stability of gene expression after injection of replication-defective adenovirus vectors".		
	Tripathy <i>et al.</i> (1994) Proc. Natl. Acad. Sci. USA 91:11557-11561, "Stable delivery of physiologic levels of recombinant erythropoietin to the systemic circulation by intramuscular injection of replication-defective adenovirus".		
	Verma <i>et al.</i> (1997) Nature 389:239-242, "Gene therapy - promises, problems and prospects".		
	Vincent <i>et al.</i> (1993) Nat. Genet. 5:130-4, "Long-term correction of mouse dystrophic degeneration by adenovirus-mediated transfer of a minidystrophin gene".		
	Wolff <i>et al.</i> (1992) Hum. Mol. Gen. 1:363-9, "Long-term persistence of plasmid DNA and foreign gene expression in mouse muscle".		
	Wolff <i>et al.</i> (1990) Science 247:1465-1468, "Direct Gene Transfer into Mouse Muscle in Vivo".		
	Yang <i>et al.</i> (1996) Gene Ther. 3:137-144, "Immune responses to viral antigens versus transgene product in the elimination of recombinant adenovirus-infected hepatocytes in vivo".		
	Yang <i>et al.</i> (1995) J. Virol. 69:2004-15, "Cellular and Humoral Immune Responses to Viral Antigens Create Barriers to Lung-Directed Gene Therapy with Recombinant Adenoviruses".		
	Yang <i>et al.</i> (1995) J. Immunol. 155(5):2564-2570, "Clearance of Adenovirus-Infected Hepatocytes by MHC Class 1-Restricted CD4 ⁺ CTLs in Vivo.".		
	Yang <i>et al.</i> (1994) Immunity 1:433-42, "MHC Class 1-Restricted Cytotoxic T Lymphocytes to Viral Antigens Destroy Hepatocytes in Mice Infected with E1-Deleted Recombinant Adenoviruses".		
AMF	Yang <i>et al.</i> (1994) Proc. Natl. Acad. Sci. USA 91:4407-4411, "Cellular immunity to viral antigens limits E1-deleted adenoviruses for gene therapy".		
AMF	Yao, S. and Kurachi, K. (1992) PNAS USA 9:3357-3361, "Expression of human factor IX in mice after injection of genetically modified myoblasts".		
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